

Substitute for form 1449/PTO and PTO/SB/08

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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**Complete if Known**

<p>Sheet <b>1</b> of <b>3</b></p>			<b>Application Number</b>	
			<b>Filing Date</b>	
			<b>First Name of Inventor</b>	Manoj Agarwal
			<b>Art Unit</b>	
			<b>Examiner Name</b>	
			<b>Attorney Docket No</b>	JP920030099US1

## **US PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
IK ↓ V		US-2002/0198983-A1	12-26-2002	Ullmann et al	
		US-2001/0020251-A1	09-06-2001	Sheikh et al	
		US-5,664,093	09-02-1997	Barnett et al	
		US-6,327,677-B1	12-04-2001	Garg et al	
		US-2001/0052087-A1	12-13-2001	Garg et al	
IK		US-6,249,885-B1	06-19-2001	Johnson et al	
		US-5,696,701	12-09-1997	Burgess et al	
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## **FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	° T
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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				Examiner Name	
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No <sup>1</sup>	Include name of Author (in CAPITALS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
IK		R Agarwal, T. Imielinski, and A. Swami, "Mining association rules between sets of items in large databases", <i>In Proc. Of the ACM SIGMOD Conference on Management of Data, pages 207-216, May 1993.</i>	
		J. Aman, C.K. Eilert, D. Emmes, P. Yocom, D. Dillenberger, "Adaptive Algorithms for managing a distributed data processing workload", <i>IBM Systems Journal, vol. 36, no. 2, 1997.</i>	
		"Systems Management: Application Response Measurement (ARM) API", OpenGroup Technical Standard C807, UK ISBN 1 85912-211-6 July 1998.	
		S. Bagchi, G. Kar, J.L. Hellerstein, "Dependency Analysis in Distributed Systems using Fault Injection: Application to Problem Determination in an e-commerce Environment" 12 <sup>th</sup> <i>International Workshop on Distributed Systems: Operations &amp; Management, Nancy, France, 2001.</i>	
		A. Brown, G. Kar, and A Keller, "An Active Approach to Characterizing Dynamic Dependencies for Problem Determination in a Distributed Environment", <i>International IFIP/IEEE Symposium on Integrated Network Management, 2001.</i>	
		M.Y. Chen, E. Kiciman, E. Fratkin, A. Fox, and E. Brewer, "Pinpoint: Problem Determination in Large, Dynamic Internet Services", <i>International Conference on Dependable Systems and Networks (DSN'02), June 2002.</i>	
		J. Choi, M. Choi, and S. Lee, "An Alarm Correlation and Fault Identification Scheme Based on OSI Managed Object Classes," <i>In 1999 IEEE International Conference on Communications, Vancouver, BC, Canada, 1999, pp. 1547-51.</i>	
		Ensel, Christian, "New Approach for Automated Generation of Service Dependency Models" <i>Second Latin American Network Operation and Management Symposium, LANOMS, 2001.</i>	
		J. A. Farrell and H. Kreger, "Web services management approaches," <i>IBM Systems Journal, VOL 41, NO 2, 2002.</i>	
		B. Gruschke, "Integrated Event Management: Event Correlation using Dependency Graphs", <i>Proceedings of 9<sup>th</sup> IFIP/IEEE International Workshop on Distributed Systems: Operations and Management (DSOM 98), October 1998.</i>	
		P. Hasselmeyer, "Managing Dynamic Service Dependencies," <i>Proceedings of 12<sup>th</sup> International Workshop on Distributed Systems: Operations &amp; Management (DSOM), Nancy, France, 2001.</i>	
V		J.L. Hellerstein and S. Ma, "Mining Event Data for Actionable Patterns", The Computer Measurement Group, 2000	
JK		A. K. Iyengar, M. S. Squillante, L. Zhang, "Analysis and Characterization of Large-Scale Web Server Access Patterns and Performance", <i>World Wide Web vol. 2,#1, 2, June 1999.</i>	

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IK		M.J. Katchabaw et al, "Making Distributed Applications Manageable Through Instrumentation," <i>Journal of Systems and Software</i> , Vol.45, 1997		
		S. Katker, "A Modeling Framework for Integrated Distributed Systems Fault Management", Proceedings of the IFIP/IEEE International Conference on Distributed Platforms ICDP'96, Dresden, Germany, 1996.		
		A.Keller and G.Kar, "Classification and Computation of Dependencies for Distributed Management", <i>5<sup>th</sup> IEEE Symposium on Computers and Communications (ISCC)</i> , July 2000.		
		F. Kon and R. H. Campbell, "Dependence Management in Component-Based Distributed Systems," <i>IEEE Concurrency</i> , Vol. 8, No. 1, pp. 26-36, Jan-Mar 2000.		
		S. Rangaswamy, R. Willenborg, and W. Qiao, "Writing a Performance Monitoring Tool Using WebSphere Application Server's Performance Monitoring Infrastructure API", <i>In IBM WebSphere Developer Technical Journal</i> , February 2002.		
		M. Steinder and A. S. Sethi, "Multi-layer Fault Localization using Probabilistic Inference in Bipartite Dependency Graphs", Technical Report 2001-02, CIS Dept., Univ. of Delaware, Feb 2001.		
		D. Thoenen, J. Riosa, and J. L. Hellerstein, "Event Relationship Networks: A Framework for Action Oriented Analysis for Event Management," <i>Proceedings of the IFIP/IEEE International Symposium on Integrated Network Management</i> , Seattle, WA, May 2001, IEEE, New York (2001), pp. 593-606.		
		S. Yemini, S. Kliger et al., "High Speed and Robust Event Correlation," <i>IEEE Communications Magazine</i> , vol. 34, no. (5), pp. 82-90, May 1996.		
		M. Steinder and A. Sethi, "The present and future of event correlation: A need for end-to-end service fault localization," 2001.		
		H. Hrasna, "Java™ 2 Platform, Enterprise Edition, Management Specification JSR-77", Sun Microsystems, Inc., 2002, Chapter JSR 77.6, pages 53-79.		
IK		M. Steinder & A. S. Sethi, "Increasing robustness of fault localization through analysis of lost, spurious, and positive symptoms", <i>IEEE INFOCOM</i> , 2002, pages 322-331.		

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